

Please type a plus sign (+) inside this box →

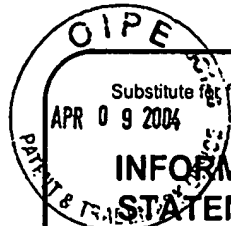


PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO

APR 09 2004

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

Application Number

10/690,447

Filing Date

October 21, 2003

First Named Inventor

Jianmin Wang

Group Art Unit

2877

Examiner Name

Unknown

Attorney Docket Number

SEA/3364

Submission Date

April 5, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PTC	A1	US-4,128,337	12-05-1978	Zehnpfenning	_____
	A2	US-4,833,314	05-23-1989	Pepper	_____
	A3	US-5,574,560	11-12-1996	Franz	_____
	A4	US-5,671,050	09-23-1997	de Groot	_____
	A5	US-5,737,079	04-07-1998	Burge	_____
	A6	US-5,535,441	11-17-1998	Satorius	_____
	A7	US-5,999,261	12-07-1999	Pressesky	_____
	A8	US-6,034,924	03-07-2000	Vakoc	_____
	A9	US-6,097,486	08-01-2000	Vakoc	_____
PTC	A10	US-6,278,657	08-21-2001	Vakoc	_____
	A11	US-6,529,444	03-04-2003	Vakoc	_____
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

Examiner **PATRICK CONNOLLY**Date Considered **10.13.2005**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ‡ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. § Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ¶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Application Number

10/690,447

Filing Date

October 21, 2003

First Named Inventor

Jianmin Wang

Group Art Unit

2877

Examiner Name

Unknown

Attorney Docket Number

SEA/3364

Submission Date

April 5, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
PL	C1	G.E. Sommargren, "Optical heterodyne profilometry," App. Opt., 20, (4) 610-618, 1981.	
	C2	M.J. Downs, N.M. Mason and J.C. Nelson, "Measurement of the profiles of 'super-smooth' surface using optical interferometry," in Surface Measurement and Characterization, Proc. SPIE, 1009, 14-17, 1988.	
	C3	J.M. Zavislan and J.M. Eastman, "Microprofiling of precision surfaces," in Measurement and effects of surface defects and Quality of Polish, Proc. SPIE, 525, 169-173, 1985.	
	C4	T.C. Bristow and D. Lindquist, "Surface measurements with a non-contact Normarski-profilometer instrument," in Interferometric Metrology, Proc. SPIE, 816, 106-110, 1987.	
	C6	Jianmin Wang and Ian Grant, "ESPI, Phase mapping, NDT the techniques applied to real-time, thermal loading," Appl. Opt. 34, 3620-3627, (1995).	
	C7	Jianmin Wang and Jason Pressesky, "Quadrature Phase Shift Interferometer (QPSI) Decoding Algorithm," Seagate disclosure, STL 3304, 2003.	
MJL	C8	Shih-Fu Lee, Young Hu and David S. Kuo, "Monitoring magnetic disk waviness using head AAB transfer function and HMS modulation," Seagate disclosure, STL 3025, 2001.	

Examiner **PATRICK CONNOLLY**Date Considered **10.13.2005**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.